Vijayakrishna Naganoor

Contact Information	Email : scivijay95@gmail.com, 13ee151@nitk.edu.in Home : vknaganoor.github.io

Research Interests	**Machine Learning, Speech Processing**

Education	**National Institute of Technology Karnataka Surathkal**, INDIA	*August 2013 – present*
	Bachelor of Technology	
	Major:Electrical and Electronics Engineering	*(GPA 8.87/10.0)*
	Sri Bhagawan Mahaveer Jain College,Bangalore	May 2011 – May 2013
	Pre-University (PCME)	
	Core Suject: Physics,Chemistry,Mathematics,Electronics	97 Percentage

Awards and Fellowships	• Awared Mitacs Globalink Scholarship for Summer Research Internship in Canada. • Recipient of Indian Academy of Science Fellowship to pursue my Research Intern at International Institute of Information Technology • Recipient of the National Talent Search Examination (NTSE) scholarship, 2009-present;awarded to *top 750 students among 0.5 million* from all over the country

Research Experience	**Bachelor thesis**	Advisor: Dr.Prasanta Kumar Ghosh
	SPIRE Lab,Indian Institute of Science	August 2016 – present

• Analysis of Indian Spoken Language using suprasegmental features such as Rhythm and Prosody
• Analysising the effect of native language on English by studying the rhythmic variability among the different Indian languages

Research Intern	Advisor: Dr.Robert Laganiere
VIVA Lab,University of Ottawa	May 2016 – August 2016

• Object detection system to be used in driver assistance and smart video surveillance applications
• Building a CNN based system

Summer Research Intern (IAS)	May 2015 - July 2015
Vision and Speech Lab,IIIT Hyderabad	

NIST I-vector Language Identification challenge.

Publication	**Selfie Detection by Synergy-Constriant Based Convolutional Neural Network** *Yashas Annadani,Vijayakrishna Naganoor, Akshay Kumar Jagadish,Krishnan Chemmangat* 12th IEEE International Conference on Signal Imaging Technology and Information Systems (SITIS), 2016. **Word Boundary Estimation for Continuous Speech Using Higher Order Statistical Features** *Vijayakrishna Naganoor, Akshay Kumar Jagadish,Krishnan Chemmangat* IEEE TENCON 2016 Technologies for Smart Nation

Projects	**Speaker Count Estimation using Deep Learning Methods** ESTIMATION OF SPEAKER COUNT USING FEATURES LEARNT FROM SUPERVISED AND UNSUPERVISED DEEP LEARNING METHODS *Submitted to ASRU 2016* **Gesture to Speech Convertor** **Music Genre Classification** Concerned with the usage of *Deep Convolutional Neural Networks* in large scale genre classification which is being sucessfully used in Computer Vision.
Skills and Coursework	**Relevent Coursework** • • Well acquainted with Deep learning tools like *Caffe ,Tensorflow Torch* **Programming Skills** • Comfortable with conventional languages like Python,C,Matlab • Well acquainted with Deep learning tools like *Caffe ,Tensorflow Torch*
Personal Achievements	• Was selected to Indian National Mathematics Olympiad;one among the top 200 in India • Selected as **Signal Processing Society Chairmain, IEEE NITK Student Chapter**
Extra Curricular Activities	• • Completeled Senior Grade in *Carnatic Classical Music* • District level Swimmer(Representing Bangalore South)